



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141162

Mode: Highway

Status: Submitted

SR-1632 (Louis Stephens Rd)

From/Cross Street: Poplar Pike Lane

Specific Improvement Type: 5 - Construct Roadway on New Location

To: SR 2153 (Little Dr)

Project Category: Division Needs

Length: 0.54

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$2,756,000

Description:

Construct 2 lanes on 4 lane R/W

Division(s): Division 5

County(s): WAKE

MPOS(s)/RPO(s): Capital Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	Percent: 15% Points: 0	Percent: 15% Points: 0

Division Needs Total Score: 76.41

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 48.15 Safety (10%) 42.84 [Travel Time] Benefit/Cost (20%) 100.00	Percent: 25% Points: 85	Percent: 25% Points: 85
Totals: Weight: 50% Weighted Score: 33.91		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	49
Length (miles):	3.4
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	20998.43
Capacity:	31697.62
Volume/Capacity Ratio:	0.66
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	75.14
Crash Severity:	29.85
Critical Crash Rate:	23.53
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	0
Actual Congested Speed:	37
Travel Time Index:	1.22

Project Benefits

Project Cross-Section:	2B - 2 Lane Undivided with Paved Shoulders, 25-45 mph
Speed Limit:	45
Length (miles):	0.54
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	17591276.76
Travel Time Savings for 30 Years (Autos):	17591276.76
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 5

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 5	100%	0	85
	0%	0	0
	0%	0	0
TOTAL Division Points		0	85

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Capital Area MPO	100%	0	85
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	85

Project Cost and Source

Construction Cost:	\$2,577,000	Cost Estimation Tool
Right-of-Way Cost:	\$160,000	Cost Estimation Tool
Utilities Cost:	\$19,000	Cost Estimation Tool
Total Project Cost:	\$2,756,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$2,756,000	